1. Which of the following is correct about connection polling?
2. Database vendor’s help multiple clients to share a cached set of connection objects that provides access to a database.
3. Clients need not create a new connection every time to interact with the database.
4. Both of the above.
5. None of the above.
6. Which of the following is not part of detailed design?
7. Screen and window layouts in the form of user interface classes.
8. Allocation of sub-systems to processors.
9. Allocation of responsibilities to classes.
10. If you want to see a list of all authors and the books which of the following statement is correct one?
11. Select a.lastname, a.firstname, b.title from authors a, books b, auth\_books ab where a.authid=ab.auth\_books ab where a.authid=ab.authid
12. Select a.lastname, a.firstname, b.title from authors a, books b, auth\_books ab where a.authid=ab.auth\_books ab where a.authid=ab.authid and b.isbn=ab.isbn
13. None.
14. Which of the following statement best describe the application of referential integrity during object design?
15. An object may only refer to another object if they share a link.
16. When an object is deleted all object to which it refers must be deleted.
17. Referential integrity only applies for one-to-one associations.
18. Which of the following is the best description of a design model?
19. It shows what the system will do.
20. It shows how the system will work.
21. It shows why the system is required.
22. Which statement is an example of logical design?
23. Communication between the Agate system and the company accounts system will be by passing messages.
24. There will be a message sent to the accounts system called NewInvoice, which will be formatted in XML, and each invoice will have a six-digit invoice number allocated by the accounts system.
25. Communication between the Agate system and the company accounts system will use the OpenJMS Java message server with persistent storage of messages provided by the MySQL database.
26. How many levels in Testing?
27. Three
28. Two
29. Four
30. Which of the followings is the correct syntax for declaring an element in a DTD?
31. <!ELEMENT name (#PCDATA)>
32. <!ELEMENT type name (#ADATA)>
33. <!ELEMENT type name (#BDATA)>
34. <!ELEMENT name (#CDATA)>
35. The lifecycle approach to constructing statecharts is so called for which of the following reasons,
36. The statecharts are constructed throughout the development lifecycle.
37. Collaboration diagrams rather than sequence diagrams are used to analysis the behavior.
38. It attempts to identify the lifecycle of a class from use cases and other requirements documents.
39. Which one is considered strong association?
40. Composition
41. Aggregation
42. What is the difference between a link and an association?
43. A link connects two instances, while an association connects two classes
44. A link is a transient association
45. A link is an association between two entity classes.
46. Which of the following is correct about JDBC?
47. The JDBC API provides the abstraction and the JDBC drivers provide the implementation.
48. New drivers can be plugged-in to the JDBC API without changing the client code.
49. Both of the above.
50. Which of the following symbol is used to indicate an item must appear once or more
51. !
52. ?
53. \*
54. +
55. Evaluate the following as part of XML dtd script --------

<! ELEMENT customer (name, contact)>

<! ELEMENT name (first, last)>

<! ELEMENT contact (address, phone)>

Select correct statement from below: -------

1. Customer is element but name & contact are attributes
2. Customer is element but name & contact are values
3. Customer is parent element but name & contact are child
4. Customer is child element but name & contact are parents
5. Patterns are grouped into –
6. Catalogues
7. Languages
8. Framework
9. A & B
10. Given:

Import java.sql.\*;

Public class ConnectClass

{ public Connection con;

public Statement st;

public ResultSet rs;

public ConnectClass()

}

Try{

Class.forName(“sun.jdbc.odbc.JdbcOdbcDriver”);

con = DriverManager.getConnection(“jdbc:odbc:swingpro”);

st = con.createStatement();

}catch(SQLException ex)

{

System.out.println(“Connection error”);

}catch(ClassNotFoundException e)

{

System.out.println(“Connection error2”);

}

}

}

When this program prints “Connection error2”?

1. If the Statement object is not created
2. If ResultSet interface is not imported
3. If executing statement does not find database table
4. If the JDBC driver is not loaded
5. Which of the following is not a measurable objective?
6. To reduce errors made by users by 50%.
7. To cut response time by an average of 5 seconds.
8. To process more invoices.
9. Which of the following best describes when primary operations should be shown on class diagrams?
10. All primary operations are shown on class diagrams in design.
11. Primary operations are shown in class diagrams only if they modify attribute values.
12. Primary operations are shown on design class diagrams if they are part of the public interface of the class.
13. Which of the following method is used to move the cursor to the next position?
14. first()
15. last()
16. movecursor()
17. next()
18. Which of the following syntax is correct to load JDBC-ODBC driver?
19. Class.callName(“sun.jdbc.odbc.JdbcOdbcDriver”);
20. Class.callfunc(“JdbcOdbcDriver”);
21. Class.Name.init(“sun.jdbc.odbc.JdbcOdbcDriver”);
22. Class.forName(“sun.jdbc.odbc.JdbcOdbcDriver”);
23. Which of the following statement is true about statecharts in general?
24. A statechart must have a final state.
25. A statechart must have at least one initial state.
26. A statechart must have one initial and one final state
27. Choose the correct one relating the PreparedStatement?
28. We use it in compile time.
29. PreparedStatement is not an extension of Statement
30. We can perform the same operation multiple times using PreparedStatement.
31. What is the advantage of XML?
32. What is the function of JDBC driver?
33. What is the purpose of UML?